



MINOS+ All Experimenters' Meeting Report

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2015-3-9

Near Detector

- ▶ High rate of CAPID errors in one channel
 - ▶ Cleared during next run sequence
- ▶ Issue with Light Injection noticed by MINERvA shifter
 - ▶ Half of plane 96 appeared cold in hit map
 - ▶ Issue disappeared after a day
 - ▶ Needs more investigation
- ▶ Capacitors installed on MINOS ND clock crate
 - ▶ Current steady!
- ▶ LCW resistivity dropped
 - ▶ Magnet turned off as a result
 - ▶ LCW skid expert contacted
 - ▶ Dave Pushka and Stephen Hahn investigated
 - ▶ Recovery in ~3.5 hours
 - ▶ Discovered dead compressor that needs to be replaced



Far Detector

- ▶ DAQ crash yesterday during run sequence transition
 - ▶ Branch reset
 - ▶ Recovery in under two minutes
- ▶ UPS work performed during beam downtime
- ▶ Crate 8 and 10 power supply work also performed
 - ▶ Troubleshooting Crate 10 phantom pedestal issue



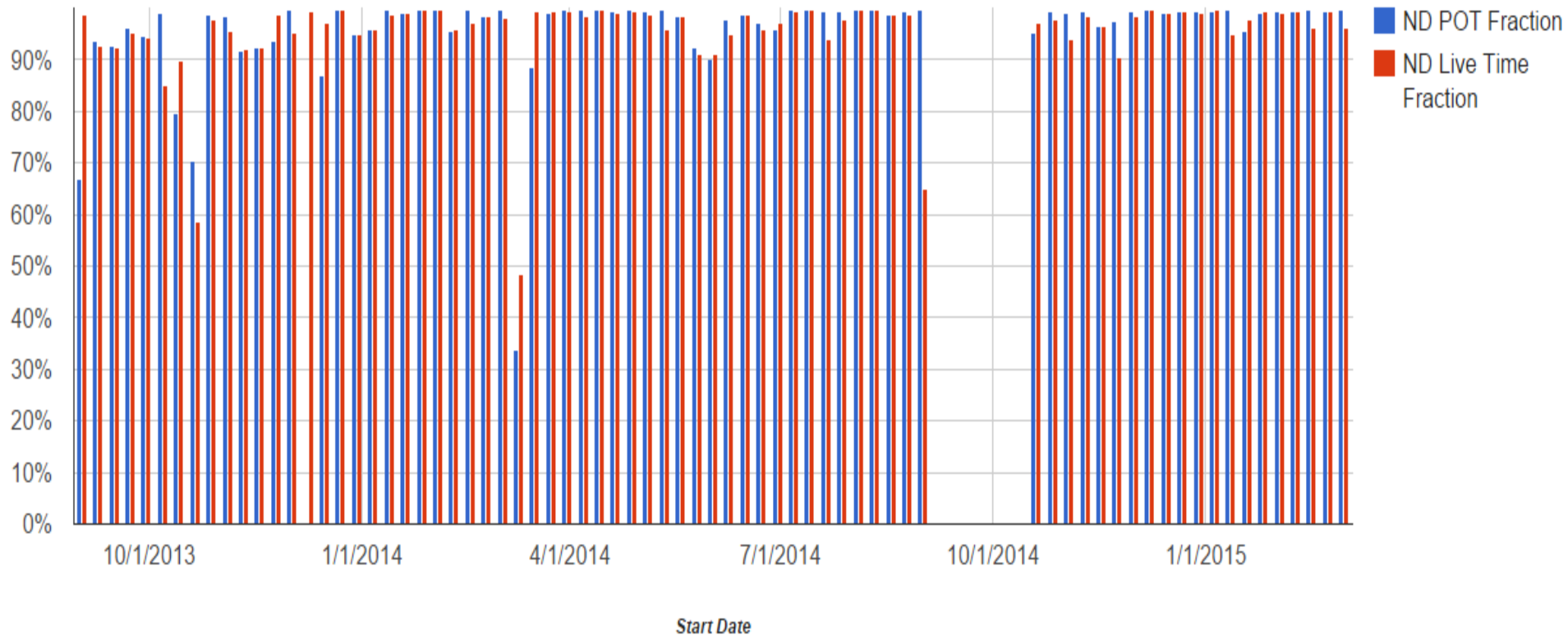
The detector is still humming along...

MINOS+ Status

| Start Date/Time | End Date/Time | Near Detector | | Far Detector | |
|------------------|------------------|---------------|--------------------|--------------|--------------------|
| | | POT Fraction | Live Time Fraction | POT Fraction | Live Time Fraction |
| 1/12/15 00:00:00 | 1/19/15 00:00:00 | 99.7% | 95.0% | 99.8% | 98.8% |
| 1/19/15 00:00:00 | 1/26/15 00:00:00 | 95.6% | 97.7% | 95.8% | 93.7% |
| 1/26/15 00:00:00 | 2/2/15 00:00:00 | 99.0% | 99.3% | 99.4% | 99.7% |
| 2/2/15 00:00:00 | 2/9/15 00:00:00 | 99.4% | 98.9% | 99.8% | 99.6% |
| 2/9/15 00:00:00 | 2/16/15 00:00:00 | 99.4% | 99.6% | 98.4% | 98.4% |
| 2/16/15 00:00:00 | 2/23/15 00:00:00 | 99.6% | 96.2% | 99.7% | 98.3% |
| 2/23/15 00:00:00 | 3/2/15 00:00:00 | 99.4% | 99.3% | 99.7% | 98.3% |
| 3/2/15 00:00:00 | 3/9/15 00:00:00 | 99.6% | 96.2% | 99.6% | 99.1% |

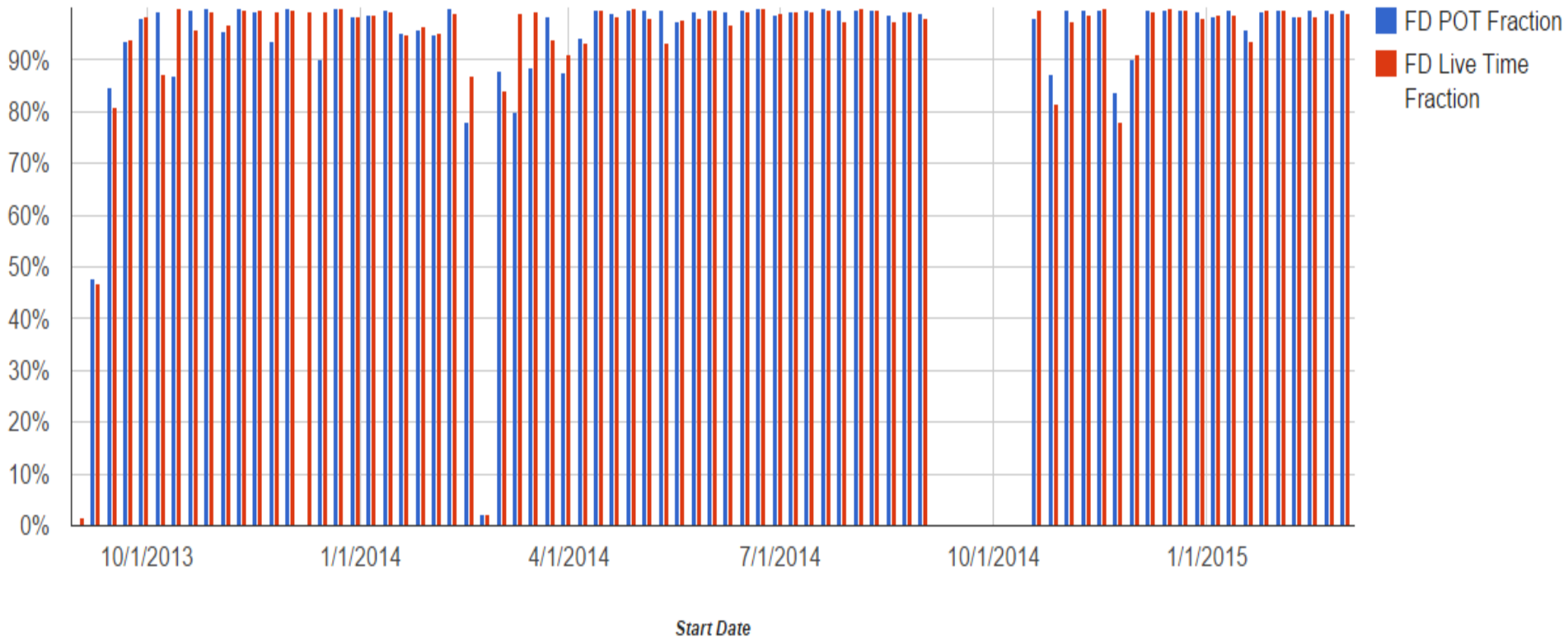
POT and Live Time Fractions

ND POT fraction and Live Time Fraction



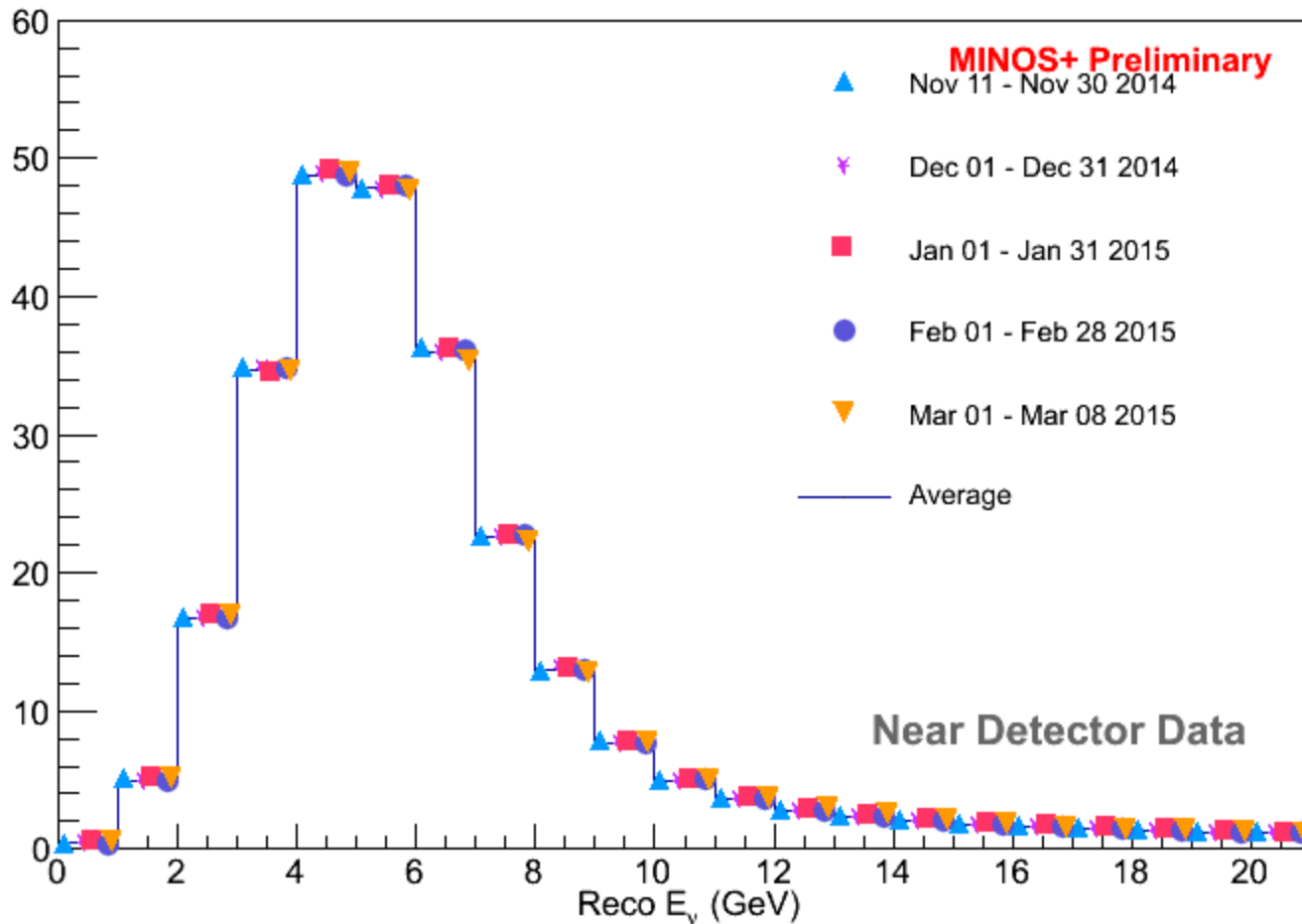
POT and Live Time Fractions

FD POT Fraction and Live Time Fraction



Data Quality Monitoring

Neutrino Energy Spectrum Stability (PQ and NQ)



Data Quality Monitoring

